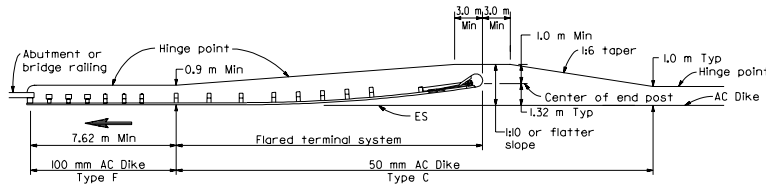
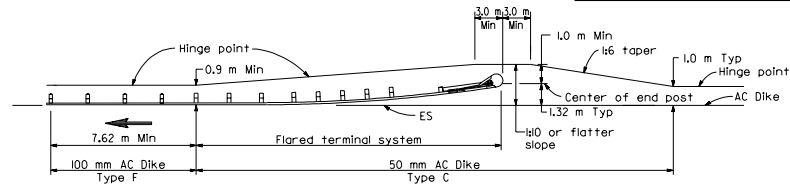




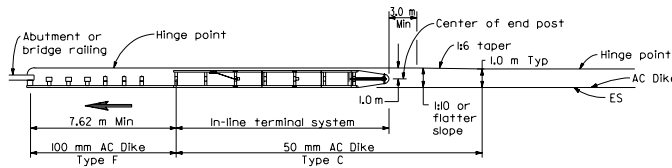
DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL NO.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER <i>Ellis K. Harty</i> July 1, 1999 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					
ELLIS K. HARTY No. C-17936 Exp. 6-30-01 CIVIL STATE OF CALIFORNIA					



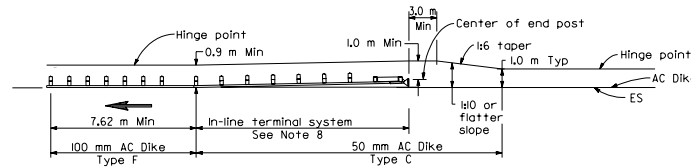
**TYPICAL STRUCTURE APPROACH
EMBANKMENT WIDENING AND DIKE PLACEMENT
FOR FLARED END TREATMENT**
See Notes 1 and 2



**TYPICAL ROADWAY EMBANKMENT
WIDENING AND DIKE PLACEMENT
FOR FLARED END TREATMENT**
See Notes 1 and 2



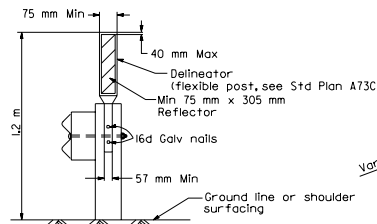
**TYPICAL STRUCTURE APPROACH
EMBANKMENT WIDENING AND DIKE PLACEMENT
FOR IN-LINE END TREATMENT**
See Notes 1 and 2



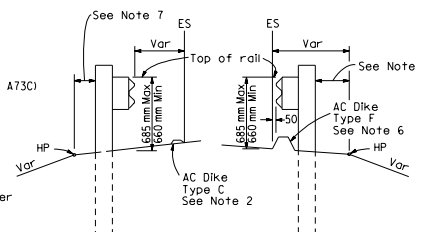
**TYPICAL ROADWAY EMBANKMENT
WIDENING AND DIKE PLACEMENT
FOR IN-LINE END TREATMENT**
See Notes 1 and 2

NOTES

- For guard railing layout details, see Standard Plans A77D and A77E.
- When necessary to place dike in front of face of guard railing, only Type C dike may be used. For dike details, see Standard Plan A87.
- For standard railing post embedment, see Standard Plan A77FA.
- Guard railing delineation to be used where shown on the project plans.
- Direction of traffic indicated by →.
- When dike or curb is placed under guard railing, the maximum height of the dike or curb shall be 100 mm. For dike and curb details, see Standard Plan A87.
- For details of distance between the face of rail and hinge point, see Standard Plan A77FA.
- When Terminal System (Type ET) is used, a traffic approach flare of 50d is required for the terminal system. See Standard Plan A77M.



GUARD RAILING DELINEATION
See Note 4



DIKE POSITIONING
(See Note 2)

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION **METAL BEAM GUARD RAILING TYPICAL EMBANKMENT WIDENING FOR END TREATMENTS**

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

A77F

1999 STD. PLAN A77F